

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-291939

(43)Date of publication of application : 04.11.1998

(51)Int.Cl.

A61K 51/00

C07K 5/09

C07K 5/11

C07K 14/705

(21)Application number : 10-045661

(71)Applicant : DIATECH INC

(22)Date of filing : 26.02.1998

(72)Inventor : DEAN RICHARD T
LISTER-JAMES JOHN

(30)Priority

Priority number : 92 886752 Priority date : 21.05.1992 Priority country : US

(54) TECHNETIUM-99M LABELED PEPTIDE FOR CONTRASTRADIOGRAPHY OF THROMBOSIS

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject compound useful as a scintigraphy contrast medium by covalently bonding a specifically bondable compound bondable to at least one component of thrombus without leukocyte to a specified technetium-99m-binding portion.

SOLUTION: The objective compound is obtained by covalently bonding a specifically bondable compound of the formula A-CZ(B)-[C(R1R2)n-X [A is H, HOOC, etc.; B is H, SH, etc.; X is H, SH, etc.; R1 and R2 are each H or a lower alkyl, etc.; (n) is an integer of 0-2], e.g. a compound of the formula to technetium-99m at a polyfunctional binding portion (bis-succinimidyl methyl ether, etc.) by using at least two same linker functional groups in the presence of a reducing agent (e.g. the one selected from dithionite ion, stannous and ferrous ions) through about 1 to about 20 amino acids.

